

What is claimed is:

1. A catalyst for purification of exhaust gas comprising:
a carrier, and

a catalyst layer containing an alkali metal and/or an
5 alkaline earth metal, the catalyst layer being loaded on the
carrier,

in which catalyst the carrier-composing material contains Si
in an amount of 0.5 to 10.0% by weight as expressed as an
oxide.

10 2. A catalyst for purification of exhaust gas according to
Claim 1, wherein the carrier-composing material contains Si
in an amount of 1.0 to 6.0% by weight as expressed as an
oxide.

3. A catalyst for purification of exhaust gas according to
15 Claim 1, wherein the carrier has a thermal expansion
coefficient of $6.0 \times 10^{-6}/^{\circ}\text{C}$ or less.

4. A catalyst for purification of exhaust gas according to
Claim 1, wherein the carrier-composing material is aluminum
titanate.

20 5. A catalyst for purification of exhaust gas according to
Claim 4, wherein the carrier-composing material further
contains Mg and/or Fe.

6. A catalyst for purification of exhaust gas according to
Claim 1, wherein the catalyst layer contains K.

25 7. A catalyst for purification of exhaust gas according to
Claim 1, wherein the carrier is a honeycomb carrier.

8. A catalyst for purification of exhaust gas according to
Claim 1, wherein the catalyst layer contains at least one
kind of noble metal selected from Pt, Pd and Rh.